

IN THE ABSTRACT

Please amend the Abstract as follows:

Techniques are disclosed for managing storage of objects of sizes smaller than a storage transfer unit in a computer system. A plurality of storage transfer units are maintained in a first storage medium (e.g., disk storage) organized by a quantity of free space in a storage transfer unit. A cache is maintained in a second storage medium (e.g., main memory), the cache including a copy of at least one of the plurality of storage transfer units. In response to a request to store an object of a size less than a storage transfer unit, the technique searches for a cached storage transfer unit with sufficient free space to store the object. If no such cached storage transfer unit can be found, the technique identifies an uncached storage transfer unit with sufficient free space to store the object and stores a copy of the identified storage transfer unit in the cache. The object is stored in the identified storage transfer unit by modifying at least one data structure in the cache and subsequently writing a cached copy of the storage transfer unit to the first storage medium.